

Ins
5 B.P.
~~Patent Claims~~

1. Lounge chair with a frame (3) and with spring elements held by the frame, said spring elements forming the supporting surface, covering the frame, for mattresses, cushion covering or the like, characterized in that the spring elements consist of a textile structure (4) made of elastic threads in the form of a knitting or woven fabric out of synthetic threads, said knitting or woven fabric being held tightly under prestress, at least to the longitudinal bars (5) of the frame (3).

2. Lounge chair according to Claim 1, characterized in that the prestress of the textile structure (4) at right angles to the longitudinal bars (5) is, in at least one of several sections (14 to 18) running lengthways to the longitudinal bars (5), different from that in other sections.

3. Lounge chair according to Claim 1, characterized in that the outer contours (4a) of the textile structure (4) is held under prestress at the longitudinal bars (5) and at the transverse bars (6).

4. Lounge chair according to Claim 1, characterized in that supports (22) are provided beneath the textile structure.

5. Lounge chair according to Claim 4, characterized in that the supports (22) are fixed on to rails (24), which are movable in the direction of the longitudinal bars.

6. Lounge chair according to any one of Claims 1 to 5, characterized in that cushions in the shape of lordosis supports or knee joint supports can be placed on the textile structure.

7. Lounge chair according to any one of the previous claims, characterized in that the longitudinal bars (5) are designed to be foldable and form joint axles (9, 10) for the surface for lying.

8. Lounge chair according to Claim 1, characterized in that the knitting or woven fabric is made of polyester threads with an approximately 25% elastomer polyester content.

9. Lounge chair according to Claim 1, characterized in that the textile structure is made up of two textile structures lying at a distance one below the other.

10. Lounge chair according to claim 9, characterized in that each of the textile structures is held tightly with its edges at the longitudinal and transverse bars.

11. Lounge chair according to Claim 9, characterized in that the distance of the two textile structures is selected in such a way that at least a part of the surfaces of the textile structures rests on each other when there is a load.

12. Lounge chair according to Claim 9, characterized in that the textile structure is formed as a tube pulled over rods.

13. Lounge chair according to Claim 12, characterized in that the rods are mounted in such a way that they can be rotated, and are fastened to the longitudinal bars.

5 14. Method for the manufacture of a lounge chair according to Claim 1, characterized in that a cut to be inserted first into the frame (3), said cut being made of textile structure (4) formed by the threads, said textile structure having crosswise measurements less than the distance of the longitudinal bars (5) and whose outer contour (4a), at least in one spot of one of the side walls, is not straight and parallel to the longitudinal bars (5) and that the cut formed in such a manner, while expanded at least in transverse direction, is fastened to the longitudinal bars (5) with its lengthwise-running outer contours (4a).

10 15. Method according to Claim 14, characterized in that the cut of the textile structure (4), also in the longitudinal direction, is less than the distance of the transverse bars (6) of the frame (3), and that the textile structure is fastened to the transverse bars also while expanded in longitudinal direction.